

OIIPE

RAW SEQUENCE LISTING

DATE: 12/03/2001

PATENT APPLICATION: US/09/922,261

TIME: 16:15:23

Input Set : N:\Crf3\RULE60\09922261.txt

Output Set: N:\CRF3\12032001\I922261.raw

ENTERED

4 <110> APPLICANT: COGENT NEUROSCIENCE, Inc.
5 Lo, Donald C.
6 Barney, Shawn
7 Thomas, Mary Beth
8 Portbury, Stuart D.
9 Puranam, Kasturi
10 Katz, Lawrence C.
13 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
14 AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
15 CELL DEATH
18 <130> FILE REFERENCE: 10001-005-999
20 <140> CURRENT APPLICATION NUMBER: 09/922,261
C--> 21 <141> CURRENT FILING DATE: 2001-08-03
23 <150> PRIOR APPLICATION NUMBER: 09/461,697
24 <151> PRIOR FILING DATE: 1999-12-14
26 <160> NUMBER OF SEQ ID NOS: 466
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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31 <211> LENGTH: 852
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
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37 agtcaatatc atactgaatg ggcaaaagct ggaagcattc taaataccaa aggacatcat 120
38 tagttaacaa atgctagact aactagatac caaagcttgc tctgtgaaaa atccccacat 180
39 aaccattgaa gtttacaaca ccctaaaccc tgccaccttg ctcccagtat cagagagccc 240
40 agttaaacat aactatgtag aggtattaga ctcaagttat tctagtaggc ccaacctcca 300
41 agaccatcgt tgaacatcag tagactggga gctgtacgtg gatgggagca gctttgccaa 360
42 cccctgcaaa gtgactcttg aagaagacca caaacctgc tccagtcaac atctggaagc 420
43 ttgactagtc cagcatggc tgaagcatga ggaacctcat cacaggactc atttcccta 480
44 aaatttagac ttgtacagta aagacttcaa cttgaccttc ctcaactga gggctgttcc 540
45 cagagtatac atcaagtcac tgaggttaga caaaagggtg ctacagtcct attattttac 600
46 agttattata agtgtactgg aactctaaaa agaacttggt tttataatgt tattctatac 660
47 aattatttat aatacaatat acaaataatg tatttagccc aggaaatgac caacctgatg 720
48 tgtgttatga cccatctgag cctcccatga ccacagtttt taaaataaga ttaagaactg 780
49 aagactgggtg ggggctcata aacaatatga gtaaagtgtt agccaaaata aaacaaaaaa 840
50 aaaagggcgg cc 852
52 <210> SEQ ID NO: 2
53 <211> LENGTH: 30
54 <212> TYPE: DNA
55 <213> ORGANISM: Homo sapiens
57 <400> SEQUENCE: 2
58 atgacaaacc cacagtcaat atcatactga 30
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 9
62 <212> TYPE: PRT
63 <213> ORGANISM: Homo sapiens

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65 <400> SEQUENCE: 3
66 Met Thr Asn Pro Gln Ser Ile Ser Tyr
67 1 5
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71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 4
75 atgggcaaaa gctggaagca ttctaaatac caaaggacat cattagttaa caaatgctag 60
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 19
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 5
83 Met Gly Lys Ser Trp Lys His Ser Lys Tyr Gln Arg Thr Ser Leu Val
84 1 5 10 15
85 Asn Lys Cys
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 12
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 6
94 atgctagact aa 12
96 <210> SEQ ID NO: 7
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98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
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102 Met Leu Asp
103 1
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 33
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108 <213> ORGANISM: Homo sapiens
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113 <210> SEQ ID NO: 9
114 <211> LENGTH: 10
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 9
119 Met Gly Ala Ala Leu Pro Thr Pro Ala Lys
120 1 5 10
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 15
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 10
128 atggctgaag catga 15

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130 <210> SEQ ID NO: 11
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132 <212> TYPE: PRT
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135 <400> SEQUENCE: 11
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137 1
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 42
141 <212> TYPE: DNA
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 12
145 atgaggaaac tcacacagg actcattttc cttaaaattt ag      42
147 <210> SEQ ID NO: 13
148 <211> LENGTH: 13
149 <212> TYPE: PRT
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 13
153 Met Arg Lys Leu Ile Thr Gly Leu Ile Phe Leu Lys Ile
154 1          5          10
156 <210> SEQ ID NO: 14
157 <211> LENGTH: 42
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 14
162 atgttattct atacaattat ttataatata atatacaaat aa      42
164 <210> SEQ ID NO: 15
165 <211> LENGTH: 13
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 15
170 Met Leu Phe Tyr Thr Ile Ile Tyr Asn Thr Ile Tyr Lys
171 1          5          10
173 <210> SEQ ID NO: 16
174 <211> LENGTH: 63
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 16
179 atgtatttag cccaggaaat gaccaacctg atgtgtgtta tgacccatct gagcctccca      60
180 tga      63
182 <210> SEQ ID NO: 17
183 <211> LENGTH: 20
184 <212> TYPE: PRT
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 17
188 Met Tyr Leu Ala Gln Glu Met Thr Asn Leu Met Cys Val Met Thr His
189 1          5          10          15
190 Leu Ser Leu Pro
191          20

```

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193 <210> SEQ ID NO: 18
194 <211> LENGTH: 45
195 <212> TYPE: DNA
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198 <400> SEQUENCE: 18
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201 <210> SEQ ID NO: 19
202 <211> LENGTH: 14
203 <212> TYPE: PRT
204 <213> ORGANISM: Homo sapiens
206 <400> SEQUENCE: 19
207 Met Thr Asn Leu Met Cys Val Met Thr His Leu Ser Leu Pro
208 1          5          10
210 <210> SEQ ID NO: 20
211 <211> LENGTH: 33
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 20
216 atgtgtgttta tgacccatct gagcctccca tga      33
218 <210> SEQ ID NO: 21
219 <211> LENGTH: 10
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 21
224 Met Cys Val Met Thr His Leu Ser Leu Pro
225 1          5          10
227 <210> SEQ ID NO: 22
228 <211> LENGTH: 24
229 <212> TYPE: DNA
230 <213> ORGANISM: Homo sapiens
232 <400> SEQUENCE: 22
233 atgacccatc tgagcctccc atga      24
235 <210> SEQ ID NO: 23
236 <211> LENGTH: 7
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 23
241 Met Thr His Leu Ser Leu Pro
242 1          5
244 <210> SEQ ID NO: 24
245 <211> LENGTH: 106
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 24
250 atgaccacag tttttaaaat aagattaaga actgaagact ggtgggggct cataaacaat      60
251 atgagtaaag tgtagccaa aataaaacaa aaaaaaaagg gcggcc      106
253 <210> SEQ ID NO: 25
254 <211> LENGTH: 35
255 <212> TYPE: PRT

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256 <213> ORGANISM: Homo sapiens
258 <400> SEQUENCE: 25
259 Met Thr Thr Val Phe Lys Ile Arg Leu Arg Thr Glu Asp Trp Trp Gly
260 1 5 10 15
261 Leu Ile Asn Asn Met Ser Lys Val Leu Ala Lys Ile Lys Gln Lys Lys
262 20 25 30
263 Lys Gly Gly
264 35
266 <210> SEQ ID NO: 26
267 <211> LENGTH: 1096
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <400> SEQUENCE: 26
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273 acgcctcggg tgacgggctt ccaggatgtt cgggcgcggg gcggcccatc cgcattcccc 120
274 aacaccccca cctccggcct gagcctccca gcgccggggg aaccacctcc tgtccgctgt 180
275 tgctggcccc catcctagca gcggcctgac gccctcccca ccctggcatg ccccttgac 240
276 ctgggacgat gagcatacga ctggggagcc cagtggaggc gccctcccga agcgccactg 300
277 cccatgctga ccaccagcc ctccggctgc tgatgtcatg agtaacacca ctgtgcccac 360
278 tgccccccag gccaacagcg actccatggt gggctatgtg ttggggccct tcttcctcat 420
279 caccctggtc ggggtggtgg tggctgtggt aatgtatgta cagaagaaaa agcggttgga 480
280 ccggctgcgc catcacctgc tccccatgta cagctatgac ccagctgagg aactgcatga 540
281 ggctgagcag gagctgctct ctgacatggg agaccccaag gtgttacatg gctggcagag 600
282 tggctaccag cacaagcgga tgccactgct ggatgtcaag acgtgacctg acccccttgc 660
283 cccacccttc agagcctggg gtcctggact gcctggggcc ctgccatctg cttcccctgc 720
284 tgtcacctgg ctccccctgc tgggtgctgg gtctccattt ctccctccac ccaccctcag 780
285 cagcatctgc tccccatgcc ctacccatca cctactgcc ccaggcctt ctgccctttg 840
286 tgggtgttga gtcaccgcc caccacagc cactcatagg aagaggcttt ccttctggga 900
287 tggcgggcgc tggtagacac ctttgcttcc tctagccctc ctgggctggg cttgggcccc 960
288 aatccccagg caggctttgg agttgtttcc atggtgatgg ggccagatgt atagtattca 1020
289 gtatatattt tgtaataaaa atgttttgtg gctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
290 aaaaaaaagg gcggcc 1096
292 <210> SEQ ID NO: 27
293 <211> LENGTH: 54
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 27
298 atggccaggc cggctgggct gcagagcgcc ggcacgggtc cagcctcgg gtga 54
300 <210> SEQ ID NO: 28
301 <211> LENGTH: 17
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 28
306 Met Ala Arg Pro Ala Gly Leu Gln Ser Ala Gly Thr Gly Pro Arg Leu
307 1 5 10 15
308 Gly
311 <210> SEQ ID NO: 29
312 <211> LENGTH: 57
313 <212> TYPE: DNA

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VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09922261.txt

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L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date